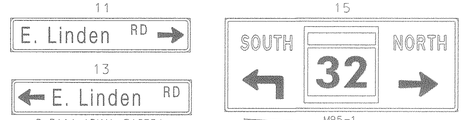
F.H.W.A. REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	MD			

MD 32 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION

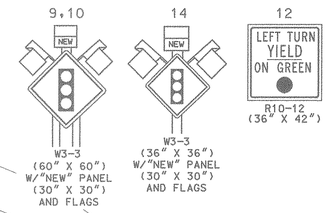
LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRICAL	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV

EXISTING SIGNS TO REMAIN

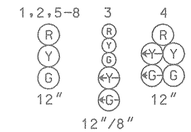


PROPOSED SIGNS

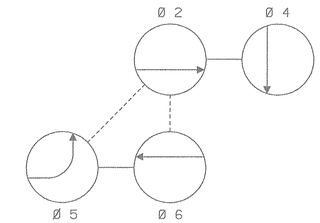


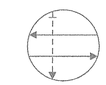
EXISTING SIGNALS TO BE REMOVED

SIGNAL HEADS



NEMA PHASING

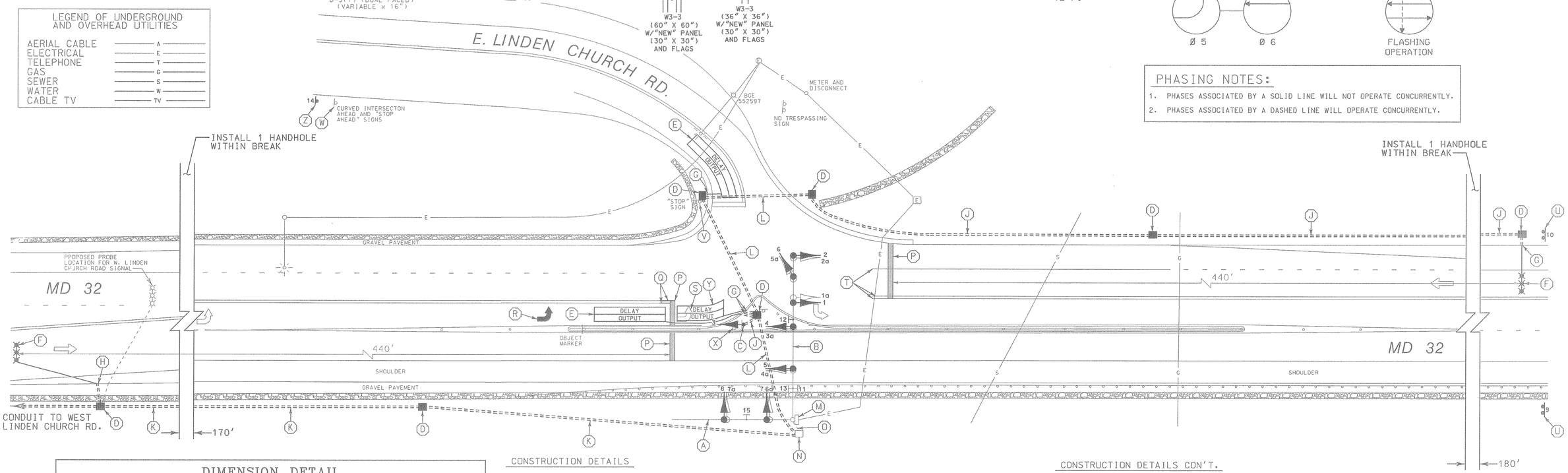




FLASHING OPERATION

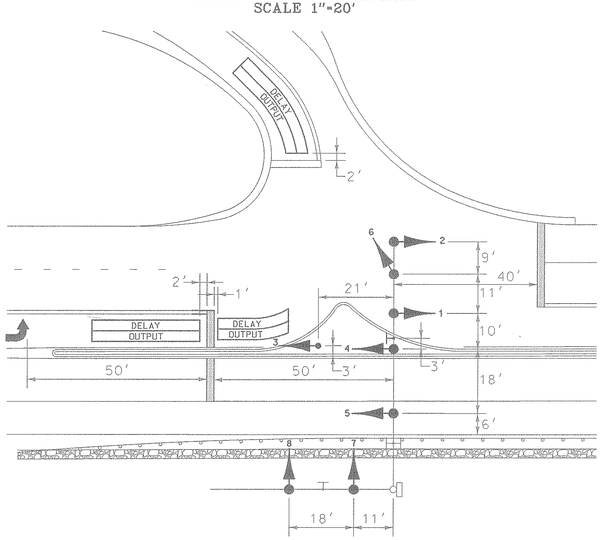
PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.



DIMENSION DETAIL

SCALE 1"=20'



CONSTRUCTION DETAILS

A. INSTALL NEW TRAFFIC SIGNAL HEADS AND REMOVE EXISTING SIGNAL HEADS ON MAST ARM AS NOTED. DISCONNECT EXISTING ELECTRICAL CABLES AND CONNECT TO NEW SIGNAL HEADS.
B. INSTALL NEW TRAFFIC SIGNAL HEADS AND SIGN AND REMOVE EXISTING SIGNAL HEADS ON MAST ARM AS NOTED. DISCONNECT EXISTING ELECTRICAL CABLES AND CONNECT CABLES TO NEW SIGNAL HEADS.
C. INSTALL 14 FT. BREAKAWAY PEDESTAL POLE, TRAFFIC SIGNAL HEAD AND RELOCATED SIGN (INSTALL 1-2 IN. SCHEDULE 80, 90 DEGREE POLYVINYL CHLORIDE CONDUIT BEND IN POLE BASE).
D. INSTALL HANDHOLE.
E. INSTALL 6 FT. X 30 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
F. INSTALL MICROLOOP PROBE SET WITH 1000 FT. LEAD-IN.
G. INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE).
H. INSTALL 1 IN. GALVANIZED ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE).
J. INSTALL 2 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
K. INSTALL 3 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED).
L. INSTALL 4 IN. SCHEDULE 80, RIGID POLYVINYL CHLORIDE ELECTRICAL CONDUIT (BORED).
M. REMOVE EXISTING TWO-CIRCUIT FLASHER UNIT AND INSTALL EIGHT PHASE FULL-TRAFFIC-ACTUATED CONTROLLER INTO EXISTING POLE MOUNTED CABINET.
N. USE EXISTING HANDHOLE.
O. USE EXISTING CONDUIT.
P. INSTALL 24 IN. WHITE THERMOPLASTIC PAVEMENT MARKING TAPE (STOP LINE).
Q. INSTALL 6 IN. YELLOW THERMOPLASTIC PAVEMENT MARKING TAPE (CENTER LINE).
R. INSTALL THERMOPLASTIC PAVEMENT MARKING ARROW.
S. REMOVE EXISTING PAVEMENT MARKING ARROW.
T. REMOVE EXISTING PAVEMENT MARKINGS BEYOND STOP LINE.

CONSTRUCTION DETAILS CON'T.

U. INSTALL W3-3 SIGN (60 IN. X 60 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON TWO 4 IN. X 6 IN. TREATED WOOD POSTS APPROXIMATELY 775 FT. IN ADVANCE OF THE INTERSECTION ON MD 32.
V. REMOVE EXISTING R1-1 SIGN.
W. REMOVE EXISTING "CURVE AHEAD" AND "STOP AHEAD" SIGNS AND SUPPORT LOCATED APPROXIMATELY 675 FT. IN ADVANCE OF THE INTERSECTION ON E. LINDEN CHURCH ROAD.
X. REMOVE EXISTING W4-1 SIGN AND SUPPORT AND BAND SIGN TO NEW PEDESTAL POLE.
Y. INSTALL 6 FT. X 20 FT. (3-6-3 WINDING) QUADRUPOLE TYPE LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING.
Z. INSTALL W3-3 SIGN (36 IN. X 36 IN.) WITH "NEW" PANEL (30 IN. X 30 IN.) AND FLAGS ON ONE 4 IN. X 6 IN. TREATED WOOD POST APPROXIMATELY 675 FT. IN ADVANCE OF THE INTERSECTION ON E. LINDEN CHURCH ROAD.

GENERAL NOTES

1. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO THE CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
2. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING MEDIAN CAUSED BY THE INSTALLATION OF TRAFFIC SIGNAL EQUIPMENT.

LOG MILE 13003213.30

WR&A
Whitman, Requardt and Associates
Engineers and Planners
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450

REVISIONS	APPROVALS	REVISIONS
	ASSISTANT DIVISION CHIEF	
	ASST. DISTRICT ENGINEER, TRAFFIC	
A CONVERT EXISTING ICB TO FULL TRAFFIC CONTROL SIGNAL 6/98 NML	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

ORIGINAL ON FILE

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
MD 32 AND EAST LINDEN CHURCH ROAD

DATE:	11-97	DRAWN BY:	T.ZAYDEL	F.A.P. NO.	AC-STPG-0005(591)(E)	PLAN SHEET NO.:	SHEET NO.
SCALE:	1"= 20'	DESIGNED BY:	T.ZAYDEL	S.H.A. NO.	AW287A16F, B5F, M5F	TS-3805A	2 OF 3
APPROVED BY:		CHECKED BY:	K.SCHMEID	COUNTY	HOWARD		